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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/797,339	03/10/2004	Hui Peng		4306		
7590 08/04/2004			EXAM	EXAMINER		
Hui Peng 35964 Vivian P	1	NGO, NGAN V				
Fremont, CA			ART UNIT	PAPER NUMBER		
			2814			
			DATE MAILED: 08/04/2004	DATE MAILED: 08/04/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Applicat	ion No.	Applicant(s)				
Office Action Summary		10/797,3	39	PENG ET AL.				
		Examine	r	Art Unit				
		Ngan Ng	jo	2814				
Period f	The MAILING DATE of this commu or Reply	nication appears on th	e cover sheet with the	correspondence addres	s			
THE - Exte after - If th - If NO - Failt Any	MAILING DATE OF THIS COMMUN ensions of time may be available under the provision of SIX (6) MONTHS from the mailing date of this come e period for reply specified above is less than thirty of period for reply is specified above, the maximum of ure to reply within the set or extended period for repreply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	NICATION. Is of 37 CFR 1.136(a). In no e- Imunication. (30) days, a reply within the sta- statutory period will apply and v ly will, by statute, cause the ap	vent, however, may a reply be to tutory minimum of thirty (30) da vill expire SIX (6) MONTHS fror plication to become ABANDON	imely filed  ys will be considered timely.  n the mailing date of this commur  ED (35 U.S.C. § 133).	nication.			
Status								
1)[\inf	Responsive to communication(s) fi	led on 26 July 2004.						
2a)□	, · · · · · · · · · · · · · · · · · · ·							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	tion of Claims							
5)□ 6)⊠ 7)⊠	Claim(s) 1-24 is/are pending in the 4a) Of the above claim(s) 23 and 24 Claim(s) is/are allowed. Claim(s) 1-20 is/are rejected. Claim(s) 21 and 22 is/are objected Claim(s) are subject to restrict the subject the	to.						
Applicat	tion Papers							
10)	The specification is objected to by to the drawing(s) filed on is/are Applicant may not request that any objected Replacement drawing sheet(s) including The oath or declaration is objected	e: a) accepted or bection to the drawing(s) ag the correction is requi	be held in abeyance. So red if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.				
Priority	under 35 U.S.C. § 119							
12)□ a)	Acknowledgment is made of a claim All b) Some * c) None of:  1. Certified copies of the priority  2. Certified copies of the priority  3. Copies of the certified copies application from the Internations  See the attached detailed Office actions	y documents have be y documents have be s of the priority docum onal Bureau (PCT Ru	en received. en received in Applica ents have been receiv lle 17.2(a)).	tion No /ed in this National Stag	je			
2) Notion (3) Information (3)	n <b>t(s)</b> ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review ( rmation Disclosure Statement(s) (PTO-1449 o er No(s)/Mail Date <u>0404</u> .		4) Interview Summar Paper No(s)/Mail [ 5) Notice of Informal 6) Other:		·)			

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The election filed July 26, 2004 has been entered and made of record as paper no. 0704.

Applicant's election of claims 1-22 in the reply filed on July 26, 2004 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 6, 7, 10-12 are rejected under 35 U.S.C. 102(b) as being anticipated by McIntosh et al.

McIntosh disclose a light emitting diode emitting of white or desire color comprising a substrate (15), an epitaxial layer comprising a first-type cladding layer (13a), a first active layer (12a), a second active layer (12b), a second-type cladding layer (13b), a first electrode (16a), and a second electrode (16b).

In re claim 2, McIntosh discloses a transition active layer (11b) between the first and the second active layers.

In re claim 4, McIntosh discloses a buffer layer (14) between the substrate and the first-type cladding layer

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 5, 8, 9, 13-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over McIntosh in view of Edmond et al.

McIntosh discloses all the subject matter claimed except for the current spreading layer. Edmond discloses a light emitting diode having a current spreading layer (27) formed between the second electrode (26) and the cladding layer (12) to provide a contact between the second electrode and the cladding layer. Therefore, it would have been obvious to one of ordinary skill in the art to form a current spreading layer in McIntosh in order to provide an ohmic contact between the electrode and the cladding layer as taught by Edmond et al

Claims 21 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The other reference is cited to show other structure pertinent to Applicants' disclosure.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax number for the Art unit is (703) 308-7722.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Ngan Van Ngo Primary Examiner Page 4

Ngan Ngo

July 29, 2004